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Title: JP2002133803A2: VERY SMALL POSITIONING ACTUATOR FOR HEAD ELEMENT GIMBAL ASSEMBLY EQUIPPED WITH THE ACTUATOR, DISK DEVICE EQUIPPED HEAD GIMBAL ASSEMBLY, ACTUATOR MANUFACTURING METHOD, AND HEAD ASSEMBLY MANUFACTURING METHOD

Country: JP Japan
Kind: A2 Document Laid open to Public inspection ⁱ

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Abstract: PROBLEM TO BE SOLVED: To provide a very small positioning actuator for a head element, capable of increasing a mechanical resonance frequency, greatly improving shock resistance, and securing sufficient stroke, an HGA equipped with this actuator, a disk device equipped with the HGA, a manufacturing method of the actuator, and a manufacturing method of the HGA.

SOLUTION: This actuator is secured to a head slider having at least one head element, and a support mechanism to perform very small positioning for the head element. The actuator is provided with a pair of movable arms made of metal plates to be displaced in a direction for intersecting a plate plane based on a driving signal, and a head slider installed between these movable arms.

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